

Virginia Division of Consolidated Laboratory Services- Richmond, VA

**TOTAL HARDNESS AS CaCO<sub>3</sub>**

**SM 2340B-1997 (2011)**

*ADDITIONAL QC REQUIREMENTS FOR THIS METHOD: Certified or Accredited laboratories using this method are assessed to applicable requirements of SM 1020 and SM 2020.*

Facility Name: \_\_\_\_\_ VELAP ID: \_\_\_\_\_

Assessor Name: \_\_\_\_\_ Analyst Name: \_\_\_\_\_ Inspection Date: \_\_\_\_\_

Records Examined: \_\_\_\_\_

Date(s) of Analysis: \_\_\_\_\_ Analyst(s): \_\_\_\_\_

Relevant Aspect of Standards	Reference	Y	N	N/A	Comments
<b>Method Specific Requirements:</b>					
1. Was total Hardness as CaCO <sub>3</sub> calculated from the results of separate determinations of calcium and magnesium as follows?  Hardness, mg equivalent CaCO <sub>3</sub> / L = 2.497 [Ca, mg/L] + 4.118 [Mg, mg/L]	SM 2340 B				
<b>Supplemental Requirements:</b>					
2. Was the laboratory accredited for the determinations of Ca and Mg used in the calculation?					

Notes/Comments